

Abstract of the Disclosure

In a process for forming an amorphous TiOPc/TiOFPC pigment mixture containing a low concentration of TiOFPC, a mixture containing phthalonitrile and titanium tetrachloride is subjected to reaction conditions effective to form lightly chlorine-substituted crude crystalline Cl-TiOPc. The lightly chlorine-substituted crude crystalline Cl-TiOPc is combined with crude crystalline TiOFPC in a weight ratio from about 75:25 Cl-TiOPc:TiOFPC to about 99.5:0.5 Cl-TiOPc:TiOFPC to form a crude crystalline pigment mixture, which is treated under conditions effective to form a substantially amorphous pigment mixture of Cl-TiOPc and TiOFPC. The substantially amorphous mixture can subsequently be converted to a nanocrystalline Cl-TiOPc/TiOFPC pigment composition containing a low concentration of TiOFPC.